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|   |   |    |   | Examiner Name          |        |
| Sheet   | 1 | of | 2 | Attorney Docket Number | K-1851 |

| U.S. PATENT DOCUMENTS          |                       |                      |                        |   |  |  |
|--------------------------------|-----------------------|----------------------|------------------------|---|--|--|
| Examiner Initials <sup>*</sup> | Cite No. <sup>1</sup> | U.S. Patent Document |                        | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document MM-DD-YYYY | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear <sup>^</sup> |
|                                |                       | Number               | Kind Code <sup>2</sup> |   |  |  |
|                                |                       | 6,238,146            |                        | Satran et al.                                   | 05-29-2001                                       |  |
|                                |                       | 6,227,772            |                        | Heinloth et al.                                 | 05-08-2001                                       |  |
|                                |                       | 6,217,263            |                        | Wiman et al.                                    | 04-17-2001                                       |  |
|                                |                       | 6,203,251            |                        | Oppelt et al.                                   | 03-20-2001                                       |  |
|                                |                       | 6,190,096            |                        | Arthur  | 02-20-2001                                       |  |
|                                |                       | 6,171,031            |                        | LaFlamme  | 01-09-2001                                       |  |
|                                |                       | 6,053,673            |                        | Swift et al.                                    | 04-25-2000                                       |  |
|                                |                       | 5,957,755            |                        | LaFlamme  | 09-28-1999                                       |  |
|                                |                       | 5,957,633            |                        | Hall  | 09-28-1999                                       |  |
|                                |                       | 5,924,824            |                        | Satran et al.                                   | 07-20-1999                                       |  |
|                                |                       | 5,911,548            |                        | Deiss et al.                                    | 06-15-1999                                       |  |
|                                |                       | 5,876,160            |                        | Johnson   | 03-02-1999                                       |  |
|                                |                       | 5,788,427            |                        | Zitzlaff et al.                                 | 08-04-1998                                       |  |
|                                |                       | 5,741,095            |                        | Charron et al.                                  | 04-21-1998                                       |  |
|                                |                       | 5,704,736            |                        | Giannetti                                       | 01-06-1998                                       |  |
|                                |                       | 5,676,505            |                        | Gauss et al.                                    | 10-14-1997                                       |  |

| FOREIGN PATENT DOCUMENTS |                       |                         |                     |   |                                       |   |
|--------------------------|-----------------------|-------------------------|---------------------|---|---------------------------------------|---|
| Examiner Initials        | Cite No. <sup>1</sup> | Foreign Patent Document |                     | Name of Patentee or Applicant of Cited Document | Date of Publication of Cited Document | Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear |
|                          |                       | Office <sup>3</sup>     | Number <sup>4</sup> | Kind Code <sup>5</sup>                          |                                       |   |
|                          |                       | Germany                 | 811 177             | DE  | Eduard Ifanger                        | 07-08-1949  |
|                          |                       | Germany                 | 2 258 448           | DE  | Jones et al.                          | 08-30-1973  |
|                          |                       | Germany                 | 37 25 154 A1        | DE  | Mitsubishi                            | 02-11-1988  |
|                          |                       |                         |                     |   |                                       |   |
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|-----------------------|--------------------------|----------------------|------------------------|--|--|--|
| Examiner<br>Initials* | Cite<br>No. <sup>1</sup> | U.S. Patent Document |                        | Name of Patentee or Applicant<br>of Cited Document | Date of Publication of<br>Cited Document<br>MM-DD-YYYY | Pages, Columns, Lines,<br>Where Relevant<br>Passages or Relevant<br>Figures Appear |
|                       |                          | Number               | Kind Code <sup>2</sup> |  |  |  |
| J                     |                          | 5,658,100            |                        | Delss et al.                                       | 08-19-1997   | X  |
|                       |                          | 5,209,811            |                        | Drescher   | 05-11-1993   |  |
|                       |                          | 5,078,550            |                        | Satran et al.                                      | 01-07-1992   |  |
|                       |                          | 5,114,282            |                        | Pawlik   | 05-19-1992   |  |
|                       |                          | 5,035,546            |                        | Pawlik   | 07-30-1991   |  |
|                       |                          | 4,692,070            |                        | Shikata  | 09-08-1987   |  |
|                       |                          | 4,597,695            |                        | Johnson  | 07-01-1986   |  |
|                       |                          | 4,294,565            |                        | Erkfritz   | 10-13-1981   |  |
|                       |                          | 3,701,187            |                        | Erkfritz   | 10-31-1972   |  |
|                       |                          | 3,708,843            |                        | Erkfritz   | 01-09-1973   |  |
|                       |                          |                      |                        |  |  |  |
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